

Name _____

Score _____

Directions: Answer questions 1 through 5 on your knowledge of earth science, the earth science reference tables and the problems below. Use the steps below to solve the equations.

Step 1: Write the complete equation

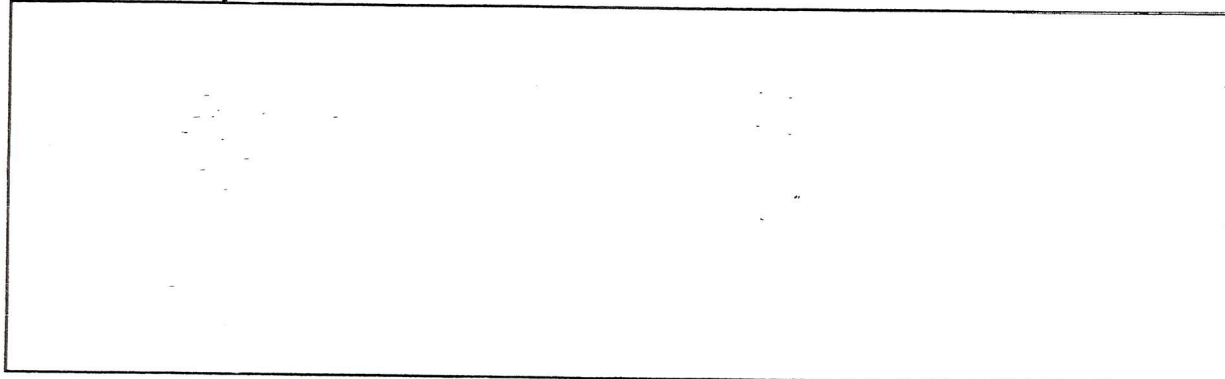
Step 2: Substitute data into the equation with units

Step 3: Solve the equation with proper units rounding to the tenths

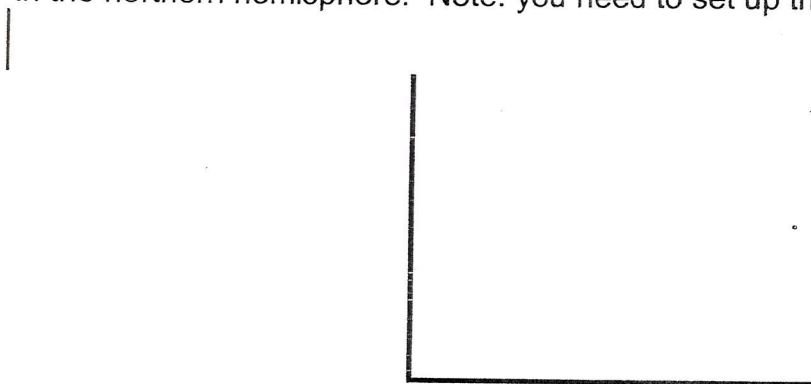
1. If the temperature was 13°C at 7 am and 19°C at 4 pm what was the rate of temperature change?

2. If Joan determined there were 832 students in Grand Avenue MS and there are actually 873 students what was Joan's percentage error?

3. What is the mass of a 42.3 cm^3 sample of Galena? Use p. 16 of your ESRT to find the density of Galena.



4. Draw the relationship between the latitude of the observer and altitude of Polaris in the northern hemisphere. Note: you need to set up the axis.



5. What is the density of a sample of gold that has a mass of 1325.6 grams and a volume of 68.7 cm^3 ?

